

```

1 #include <iostream>
2 using namespace std;
3
4 void SSP(int *arr,int n,int sum){
5     bool t[n][sum+1];
6     cout << "j ";
7     for(int j = 0;j<sum+1;j++){
8         cout << j << " ";
9     }
10    cout << endl;
11    for(int i = 0;i<n;i++){
12        cout << "a" << i << " = " << arr[i] << " ";
13        for(int j = 0;j<sum+1;j++){
14            if(i == 0){
15                if(j == 0 || arr[i] == j)t[i][j] = true;
16                else t[i][j] = false;
17            }else{
18                if(arr[i] == j || t[i-1][j] || t[i-1][j - arr[i]])t[i][j] = true;
19                else t[i][j] = false;
20            }
21            cout << t[i][j] << " ";
22        }
23        cout << endl;
24    }
25
26 }
27
28
29 int main(){
30     int arr[] = {2,3,5,6};
31     SSP(arr,4,16);
32
33     return 0;
34 }

```

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ai/j	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
a1=2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
a2=3	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
a3=5	1	0	1	1	0	1	0	1	1	0	1	0	0	0	0	0	0
a4=6	1	0	1	1	0	1	0	1	1	0	1	1	0	1	1	0	1